

Oakland Estuary

Phase IV Conceptual Design

Lewis deSoto/John Roloff

2011

ORIGINAL PAAC APPROVED PLAN



ESTUARY CHANNEL ELLIPTIC

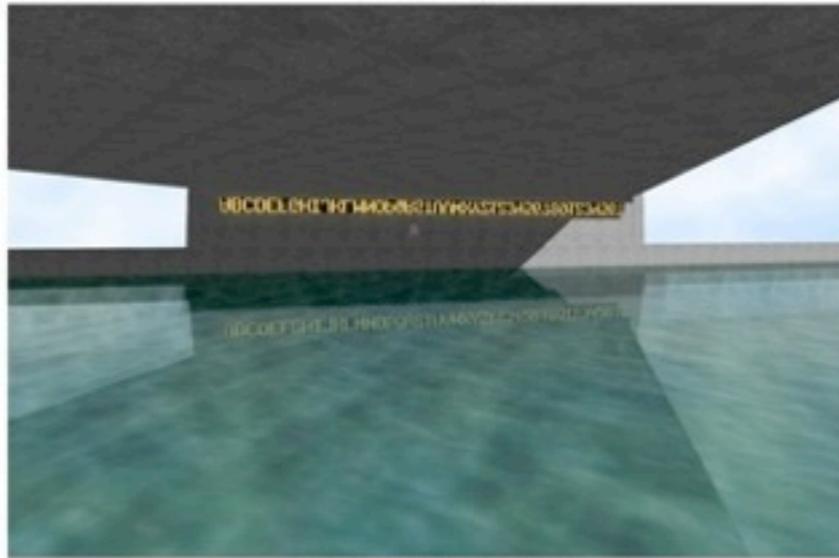
The Estuary Channel can be seen as a system of exchange evoking metaphors of time, nature and culture. Triggered by the tides and elliptical motion of heavenly bodies, the Channel facilitates the exchange of water between Lake Merritt, which is a collection basin for the ground water and aquifers of much of Oakland's terrain, and the San Francisco Bay, and by extension the Pacific Ocean; the channel itself can be seen as a gigantic clock that echoes both local and global dynamics of nature and culture, further exemplified by geologic forces deep below the site. These dynamics are watermarked by the tide, a cycle of ebb and flow, commiserate with the Ohlone creation myths, and references to larger cycles of change. In this way these projects harken to pre-history and push towards the future. These metaphors are imbedded in the concepts and proposals of each element which are seen holistically as creating a synergistic whole.

The concentric elliptical orbits emanating from the site, propagate these concepts into regional and global domains as a symbolic as well as a potentially real organizational principal of systemic and historical thought and environmental/cultural unity.

OHLONE EPICENTER

At the foci of an ellipse created by the 10th St. bridge and 7th St. channel passage, LED text panels describe conditions that reach back into geologic history and suggest future uplifts, tectonic activity and comparable human interventions and dynamics. The LED text panels on facing walls beneath the 10th street bridge are reversed and readable in the water because their orientation displayed on the panels is upside down and backwards. The water becomes the medium for these messages. The 7th street bypass channel text semantically echoes this inversion through its content and electronic programming linked to the 10th street bridge text. The luminosity of the bridge/channel spaces is enhanced by a shimmering, reflective coating of glass micro-spheres in a transparent matrix.

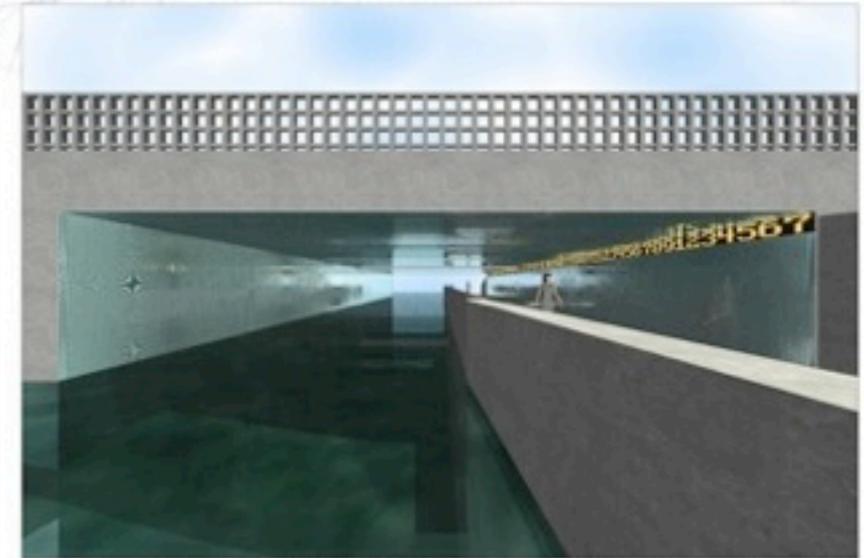
Along the centerline between the two bridge foci are planted two ceremonial Oaks in close harmony that speak to the human origins of Oakland. Around the circumference of the elliptical planter offset inline with the Hayward Fault is an ancient Ohlone story, a shadow of a tale about a great flood and the arrival of humanity in this area. These central oaks, like the epicenter of an earthquake, relates this story of an ancient flood to one that may return, as a result of global warming.



10TH ST. BRIDGE - INVERTED LED PANELS



CEREMONIAL OAKS - ELLIPTICAL OFFSET PLANTER



7TH ST. BYPASS CHANNEL PASSAGE - LED PANEL/LUMINOUS WALLS & CEILING

ORIGINAL PAAC APPROVED PLAN



ESTUARY CHANNEL ELLIPTIC

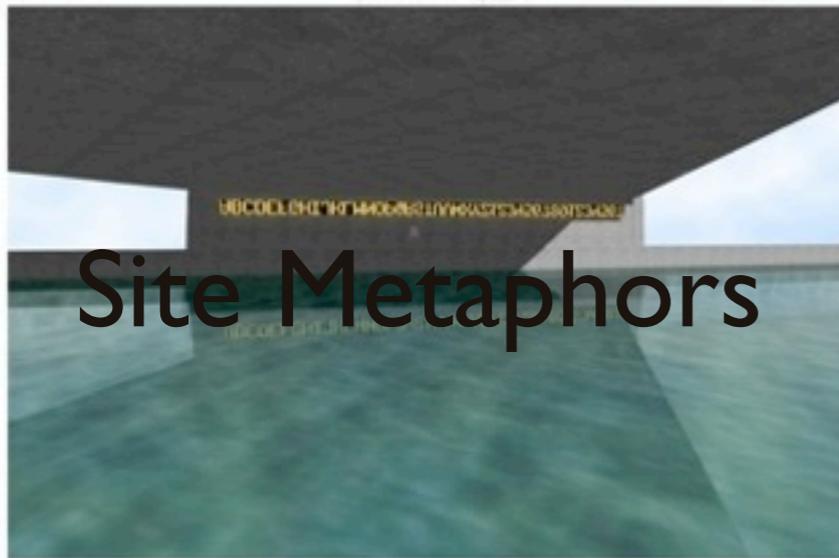
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Site Metaphors

Ceremony
&
Stories

Scientific Data

Peralta redesign impinges on construction site

Uncertain future construction

ESTUARY CHANNEL ELLIPTIC

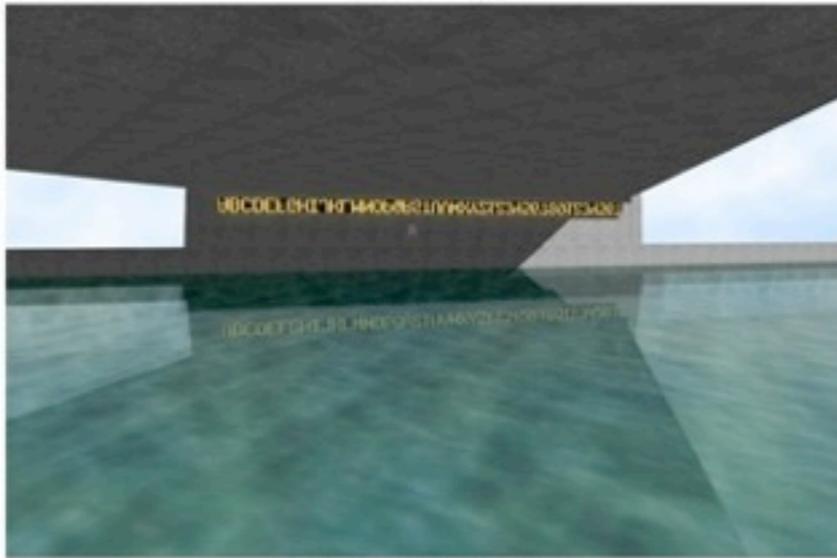
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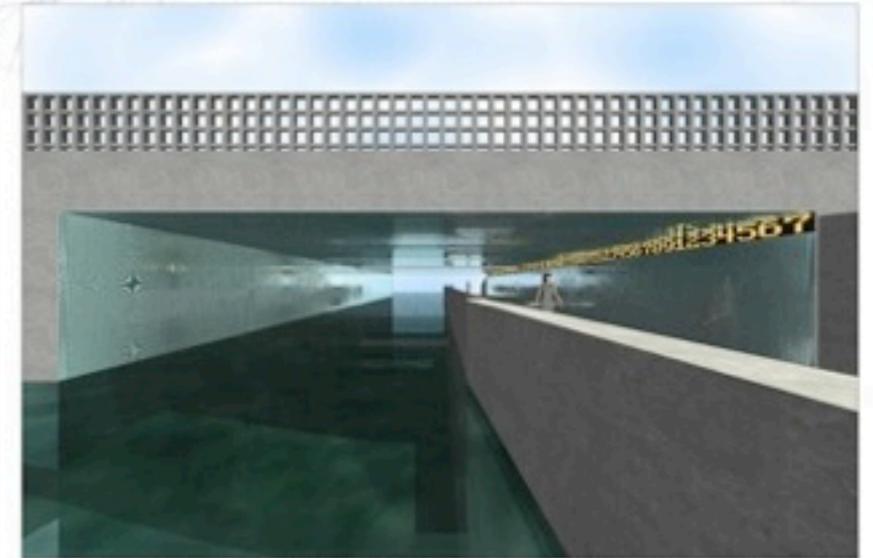
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2008 10th Street Bridge Text Work

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz

ABCDEFGHIJKLMNOPQRSTUVWXYZ1234567891234567

This is the most stable site for permanent artwork.

Issues with 2008 materials:

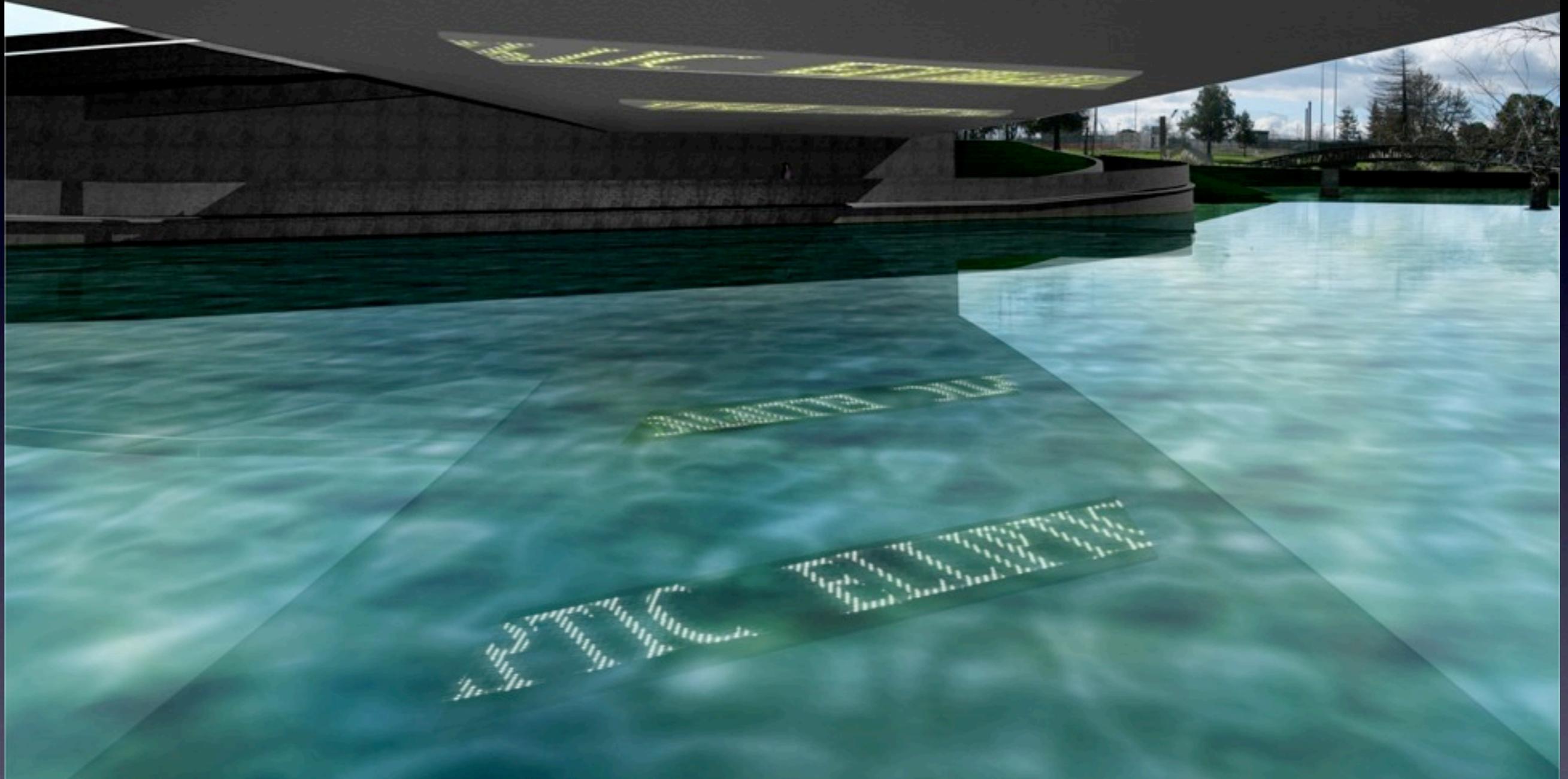
- 1) Possible vandalism because of easy access to delicate sign material
- 2) Better technology available including more efficient and longer life material

2011 Revision: Continuity with Previous Content Goals

- Ohlone cosmological stories
- Metaphors of time, nature and culture
- Estuary dynamism linked to tides, elliptical motion of heavenly bodies
- Bay Area bio-signatures, plant, fish, insect, animal and human
- Future of the area due to tectonic activity and climate change
- Oakland's global connections

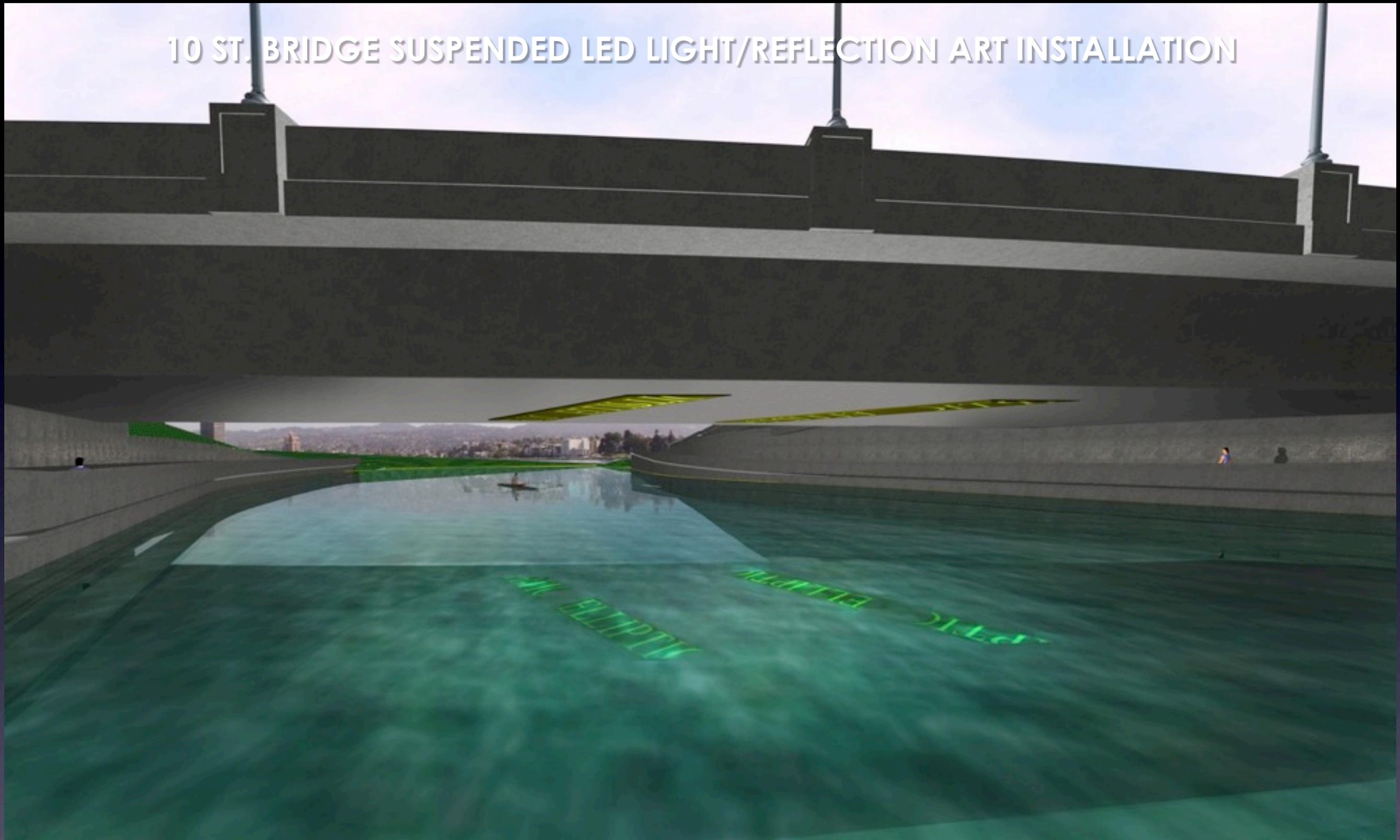
Each category comprised of ten chapter/segments

10 ST. BRIDGE SUSPENDED LED LIGHT/REFLECTION ART INSTALLATION



- 1) Two bands of stainless steel mesh measuring 7' x 40' each
- 2) Interlaced long life LED units with thousands of colors with programmable image/text function
- 3) Adjustable brightness up to ten times brighter than earlier design
- 4) Vandalism-free

10 ST. BRIDGE SUSPENDED LED LIGHT/REFLECTION ART INSTALLATION



CONTENT:

Site Metaphors • Ceremony & Stories • Scientific Data
Text & Image Interplay

10 ST. BRIDGE SUSPENDED LED LIGHT/REFLECTION ART INSTALLATION

SCALE METAL FABRIC

FLEXIBLE

Material: Stainless Steel

Open Area: 62%

Weight: 1.94 lbs./sq. ft.

Max. Width: 240"

10 ST. BRIDGE SUSPENDED LED LIGHT/REFLECTION ART INSTALLATION

ECLIPSE™ ATTACHMENT

Eclipse tension attachment hardware provides tailored edges for expanses of flexible metal fabric. Elegant, custom cut apertures receive the metal fabric ends in tubing that is integrated into a bracket and structural support design. The tube provides a visual reveal between panel lengths, and tube sizes may vary to emphasize or de-emphasize the attachment. Eclipse is appropriate for lengths of metal fabric up to 100'.

Li

Md

M

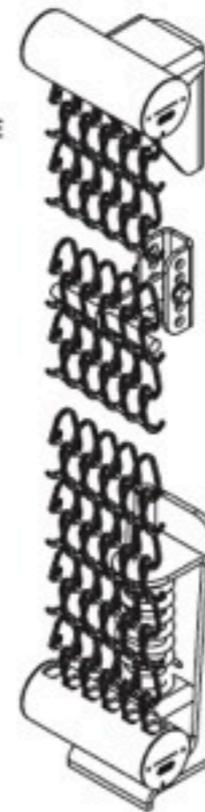
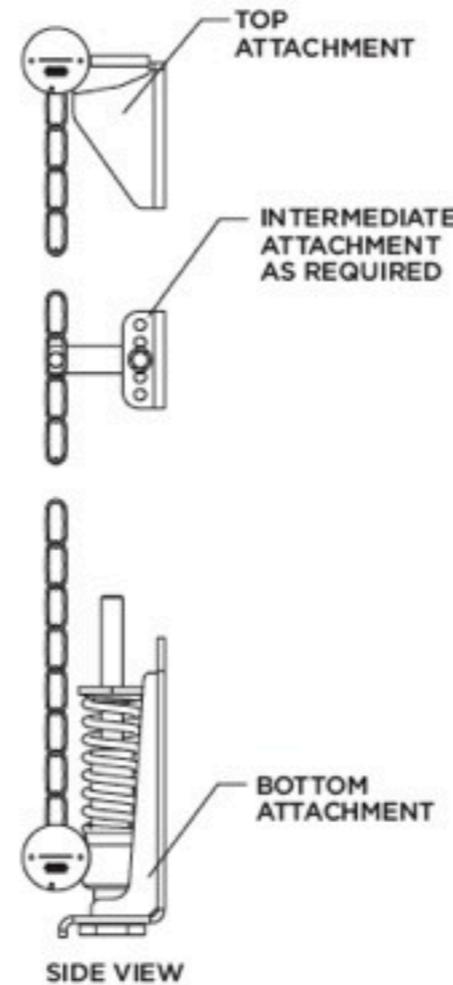
Fx

P

S

COMPATIBLE MESH

- Aztec
- Balance
- Braid
- Cubist
- Matte
- Mid-Balance
- Pellican
- Ribknit
- Rope
- Scale
- Shade
- Slink
- Stripe
- Vine



* Cambridge Architectural Eclipse attachment hardware is patent pending.

10 ST. BRIDGE SUSPENDED LED LIGHT/REFLECTION ART INSTALLATION

MESHFX

Cambridge woven metal fabric has a new dynamic element. MeshFX* creates limitless possibilities for transforming traditional architectural mesh installations into luminous works of art.

MeshFX allows architects to explore entirely original and breathtaking forms of design.

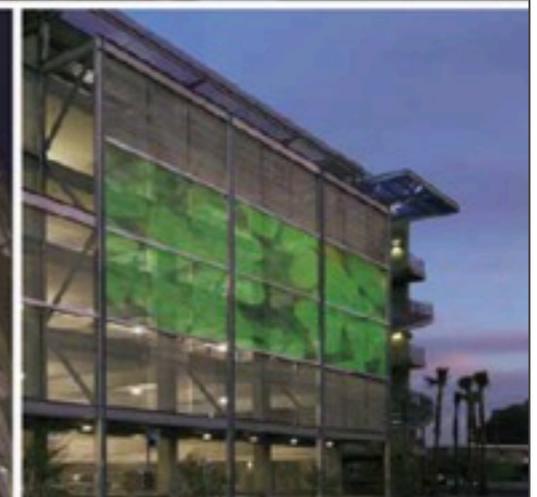
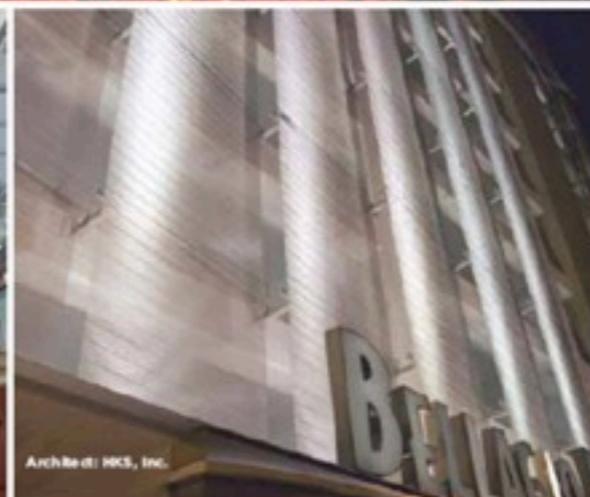
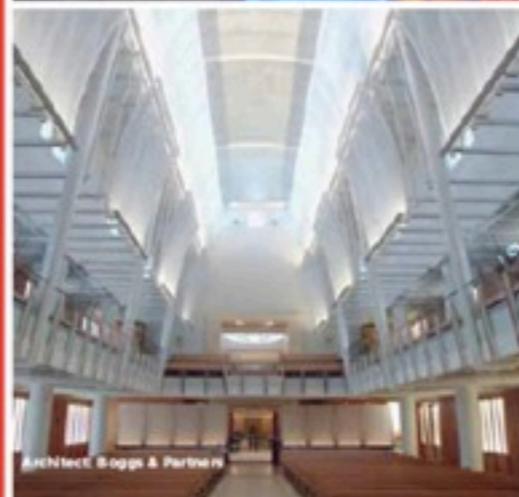
Integrated LED - LEDs are engineered to fit perfectly into architectural mesh channels, allowing entire building facades to display vibrant colors, animated graphics and clear video images. Mesh is flexible, and can accommodate undulations and curves.

Etching - Any image can be etched into Cambridge metal fabric, creating a truly personalized and sophisticated design element. This effect is perfect for corporate branding applications.

Reflective Lighting - Light directed at metal fabric creates a stunning visual interplay. Effects vary depending on the type of metal weave.

Color-Coating - Architectural mesh can be painted any color imaginable.

Cambridge thrives on creativity, and so ensures that each project is truly exceptional by assisting throughout the design-build process.



OAKLAND ESTUARY PRELIMINARY CONSTRUCTION BUDGET				
	Unit	Cost		
Estuary Epicenter				
500 square feet of MESH FX 6" pitch	500	400	200000	
Infrastructure/ programming		20000	20000	
Subtotal			220000	
10% Contingency			22000	
Subtotal			242000	
Construction Oversight		33000	33000	
			275000	

